



P.O. Box 6158,
Christiansburg, VA 24073

Office: (540) 381-7999
www.best-hdht.com

Solutions for all your Environmental and OSHA Concerns

September 20, 2019

Asbestos Inspection Report

Project Location:

1 Magnox Drive
Pulaski, Virginia

Prepared For:

The Town of Pulaski
P.O. Box 660
Pulaski, VA 24301

Prepared By:

Fred Danner
Asbestos Inspector

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SCOPE OF WORK

HDH Technical, Inc. was contracted by The Town of Pulaski to provide an asbestos inspection at the structure located at 1 Magnox Drive, Pulaski, Virginia. The inspection was conducted by personnel trained and licensed in accordance with the regulations of the Environmental Protection Agency (EPA) and the Commonwealth of Virginia. This inspection was performed using current EPA AHERA standards. This protocol was used for the determination, sampling and analysis of suspected Asbestos Containing Materials (ACM).

ASBESTOS INSPECTION

An inspection of the structure at 1 Magnox Drive was performed September 17, 2019 by representatives of HDHT. The objective of this inspection was to determine the location of suspect asbestos-containing materials (ACM) currently located on the interior or exterior of this structure that may be disturbed by upcoming demolition activities. Only the front portion of the structure was inspected. The exact parameters of the survey are indicated in the photo section contained in this report.

As the sample summary indicates, the following suspect materials sampled were reported to be asbestos containing by the laboratory:

- **AirCell Pipe Insulation located in the crawlspace. This material may also be found inside walls and in chases.**
 - **THIS MATERIAL IS FRIABLE**
 - **THIS MATERIAL IS A HIGH CONTENT ACM**
- **Mudded Elbow Insulation located in the crawlspace. This material may also be found inside walls and in chases.**
 - **THIS MATERIAL IS FRIABLE**
 - **THIS MATERIAL IS A HIGH CONTENT ACM**

These NON-Friable / Friable asbestos containing materials should be removed prior to demolition activities at this location. Removal should be performed by licensed, contract personnel using approved methods.

For informational purposes, the following suspect material was reported to contain asbestos at < 1%. Although not considered an Asbestos Containing Material (> 1%), this information should be provided to all contract personnel prior to restoration/demolition activities for their use in meeting current OSHA requirements pertaining to personnel disturbing this material:

- **Gasket between modern downspouts and cast iron receiver downspouts.**

Friable Asbestos Material: Material when dry, may be crumbled, pulverized or reduced to powder by hand pressure and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry is may be crumbled, pulverized, or reduced to powder by hand pressure.

Non-friable Asbestos Material: Material that contains asbestos in which the fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not release fibers during any appropriate use, handling, demolition, storage, transportation, processing or disposal.

This information should be provided to all contract personnel for their use in meeting current OSHA requirements. Every attempt was made to gain access to all areas or to assess representative materials entering or leaving the area. HDH Technical, Inc. accepts no liability nor makes any claims regarding ACBM which was not accessible during the inspection process if such material was located behind or within walls, concrete decks, subfloors, or was generally inaccessible without destructive sampling. If any additional suspect materials are identified during the course of the project, the contractor is to immediately stop work and contact the Owner for further direction.

Sample Summary

1 Magnox Drive

LAB #	SAMPLE ID	SAMPLE DESCRIPTION	RESULT	%
19047789 -001	SC 1.1	Skim Coat Plaster	ND	-
19047789 -002	SC 1.2	Skim Coat Plaster	ND	-
19047789 -003	SC 1.3	Skim Coat Plaster	ND	-
19047789 -004	BC 2.1	Base Coat Plaster	ND	-
19047789 -005	BC 2.2	Base Coat Plaster	ND	-
19047789 -006	BC 2.3	Base Coat Plaster	ND	-
19047789 -007	CT 3.1	Ceiling Tiles - 2x4 - Random pattern	ND	-
19047789 -008	CT 3.2	Ceiling Tiles - 2x4 - Random pattern	ND	-
19047789 -009	CT 3.3	Ceiling Tiles - 2x4 - Random pattern	ND	-
19047789 -010	SR 4.1	Sheetrock	ND	-
19047789 -011	SR 4.2	Sheetrock	ND	-
19047789 -012	SR 4.3	Sheetrock	ND	-
19047789 -013	JC 5.1	Joint Compound	ND	-
19047789 -014	JC 5.2	Joint Compound	ND	-
19047789 -015	JC 5.3	Joint Compound	ND	-
19047789 -016	EM 6.1	Elbow Mud - Crawlspace	■	40%
19047789 -017	EM 6.2	Elbow Mud - Crawlspace	NA	PS
19047789 -018	EM 6.3	Elbow Mud - Crawlspace	NA	PS
19047789 -019	PI 7.1	Pipe Insulation - Aircell - Crawlspace	■	45%
19047789 -020	FT 8.1	Floor Tile - 12X12 - Dark Brown	ND	-
19047789 -021	FT 8.2	Floor Tile - 12X12 - Dark Brown	ND	-
19047789 -022	TM 9.1	Tile Mastic on FT 8	ND	-
19047789 -023	TM 9.2	Tile Mastic on FT 8	ND	-
19047789 -024	FT 10.1	Floor Tile - 12X12 - Light Brown	ND	-
19047789 -024	FT 10.2	Floor Tile - 12X12 - Light Brown	ND	-
19047789 -026	TM 11.1	Tile Mastic on FT 10	ND	-
19047789 -027	TM 11.2	Tile Mastic on FT 10	ND	-
19047789 -028	DF 12.1	Door Framing - Interior	ND	-
19047789 -029	DF 12.2	Door Framing - Interior	ND	-
19047789 -030	FM 13.1	Floor Mastic - Parquet Floor	ND	-
19047789 -031	FM 13.2	Floor Mastic - Parquet Floor	ND	-
19047789 -032	DF 14.1	Door Framing - Exterior - Wood/Front Doors	ND	-

ND = NONE DETECTED

NA = NOT ANALYZED
POSITIVE STOP



= CHRYSOTILE



= AMOSITE



= OTHER

1 Magnox Drive

[illegible]

ND = NONE DETECTED

NA =	NOT ANALYZED POSITIVE STOP
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 = CHRYSOTILE

 = AMOSITE

☐ = OTHER

Laboratory Report



1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-807-1177 / 888-895-1175
Fax 804-897-0070
www.sanair.com

Asbestos
Chain of Custody

SanAir ID Number

19047789

Company: HDH Technical, Inc	Project #: Partial (Front only)	Collected by: Danner
Address: 400 West Main Street	Project Name: 1 Magnox Drive Pulaski VA	Phone #: 540-381-7999
City, St, Zip: Christiansburg, VA 24073	Date Collected: 9/17/2019	Email: rliehula@hdhassociates.com
State of Collection: VA Account #: 1769	P.O. Number: Town of Pulaski	Email: fdanner@hdhassociates.com

Bulk		Air		Soil/Vermiculite	
ABE	PLM EPA 600/R-93/116	ABA	PCM NIOSH 7400	ABSE	PLM EPA 600/R-93/116 (Qual)
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA	ABSP	PLM CARB 435 (LOD - 1%)
ABEPA	PLM EPA 400 Point Count	ABTEM	TEM AHERA	ABSP1	PLM CARB 435 (LOD 0.25%)
ABB1K	PLM EPA 1000 Point Count	ABATN	TEM NIOSH 7402	ABSP2	PLM CARB 435 (LOD 0.1%)
ABBEN	PLM EPA NOB	ABT2	TEM Level II		
ABBCH	TEM Chatfield				
ABBTM	TEM EPA NOB				

Water		New York ELAP		Dust	
ABHE	EPA 100.2	PLM NY	PLM EPA 600/M4-82-020	ABWA	TEM Wipe ASTM D-6480
		ABEPA2	NY ELAP 198.1	ABDMV	TEM Microvac ASTM D-5755
		ABENY	NY ELAP 198.6 PLM NOB		
		ABBNY	NY ELAP 198.4 TEM NOB		

Matrix		Other	

Turn Around Times	3 HR (4 HR TEM)	6 HR (8HR TEM)	12 HR	24 HR
	2 Days	3 Days	4 Days	5 Days

Special Instructions:

SAMPLE ID	SAMPLE DESCRIPTION
SC 1.1	Skim Coat Plaster
SC 1.2	Skim Coat Plaster
SC 1.3	Skim Coat Plaster
BC 2.1	Base Coat Plaster
BC 2.2	Base Coat Plaster
BC 2.3	Base Coat Plaster
CT 3.1	Ceiling Tiles - 2x4 - Random pattern
CT 3.2	Ceiling Tiles - 2x4 - Random pattern
CT 3.3	Ceiling Tiles - 2x4 - Random pattern
SR 4.1	Sheetrock
SR 4.2	Sheetrock

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
Danner	9/17/2019	3:40 PM	FedEx	9/17/2019	3:40 PM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

19047789

SAMPLE ID	SAMPLE DESCRIPTION
SR 4.3	Sheetrock
JC 5.1	Joint Compound
JC 5.2	Joint Compound
JC 5.3	Joint Compound
EM 6.1	Elbow Mud - Crawlspace
EM 6.2	Elbow Mud - Crawlspace
EM 6.3	Elbow Mud - Crawlspace
PI 7.1	Pipe Insulation - Aircell - Crawlspace
FT 8.1	Floor Tile - 12X12 - Dark Brown
FT 8.2	Floor Tile - 12X12 - Dark Brown
TM 9.1	Tile Mastic on FT 8
TM 9.2	Tile Mastic on FT 8
FT 10.1	Floor Tile - 12X12 - Light Brown
FT 10.2	Floor Tile - 12X12 - Light Brown
TM 11.1	Tile Mastic on FT 10
TM 11.2	Tile Mastic on FT 10
DF 12.1	Door Framing - Interior
DF 12.2	Door Framing - Interior
FM 13.1	Floor Mastic - Parquet Floor
FM 13.2	Floor Mastic - Parquet Floor
DF 14.1	Door Framing - Exterior - Wood/Front Doors
DF 14.2	Door Framing - Exterior - Wood/Front Doors
WF 15.1	Window Framing - Exterior
WF 15.2	Window Framing - Exterior
PG 16.1	Pipe Gasket - Cast Iron Downspouts
PG 16.2	Pipe Gasket - Cast Iron Downspouts
CK 17.1	Caulk on Window Sill Stone

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
Danner	9/17/2019	3:40 PM	FedEx	9/17/2019	3:40 PM
				9/18/19	4:30 PM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

9047789

[illegible]

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
Danner	9/17/2019	3:40 PM	FedEx	9/17/2019	3:40 PM
			LB	9/18/19	4:35 PM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.



SanAir ID Number

19047789

FINAL REPORT

9/20/2019 11:11:38 AM

Name: HDH Technical, Inc.

Address: P.O. Box 6158

Christiansburg, VA 24073

Phone: 540-381-7999

Project Number: Partial (Front Only)

P.O. Number: Town Of Pulaski

Project Name: 1 Magnox Drive Pulaski VA

Collected Date: 9/17/2019

Received Date: 9/18/2019 9:35:00 AM

Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
SC 1.1 / 19047789-001 Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Other	None Detected
SC 1.2 / 19047789-002 Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Other	None Detected
SC 1.3 / 19047789-003 Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Other	None Detected
BC 2.1 / 19047789-004 Base Coat Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
BC 2.2 / 19047789-005 Base Coat Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
BC 2.3 / 19047789-006 Base Coat Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
CT 3.1 / 19047789-007 Ceiling Tiles-2 X 4 Random Pattern	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
CT 3.2 / 19047789-008 Ceiling Tiles-2 X 4 Random Pattern	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
CT 3.3 / 19047789-009 Ceiling Tiles-2 X 4 Random Pattern	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
SR 4.1 / 19047789-010 Sheetrock	Grey Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected

Analyst:

Susan P. Childress

Approved Signatory:

Johnathan Wilson

Analysis Date: 9/20/2019

Date: 9/20/2019



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-fibrous	
SR 4.2 / 19047789-011 Sheetrock	Grey Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
SR 4.3 / 19047789-012 Sheetrock	Grey Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
JC 5.1 / 19047789-013 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
JC 5.2 / 19047789-014 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
JC 5.3 / 19047789-015 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
EM 6.1 / 19047789-016 Elbow Mud-Crawlspace Friable	White Fibrous Homogeneous	35% Cellulose	25% Other	40% Chrysotile
EM 6.2 / 19047789-017 Elbow Mud-Crawlspace Friable				Not Analyzed
EM 6.3 / 19047789-018 Elbow Mud-Crawlspace Friable				Not Analyzed
PI 7.1 / 19047789-019 Pipe Insulation-Aircell-Crawlspace Friable	Beige Fibrous Homogeneous	50% Cellulose	5% Other	45% Chrysotile
FT 8.1 / 19047789-020 Floor Tile-12 X 12	Brown Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*Approved Signatory: *Johnathan Wilson*

Analysis Date: 9/20/2019

Date: 9/20/2019



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
FT 8.2 / 19047789-021 Floor Tile-12 X 12	Brown Non-Fibrous Homogeneous		100% Other	None Detected
TM 9.1 / 19047789-022 Tile Mastic On FT 8	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
TM 9.2 / 19047789-023 Tile Mastic On FT 8	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
FT 10.1 / 19047789-024 Floor Tile-12 X 12	Brown Non-Fibrous Homogeneous		100% Other	None Detected
FT 10.2 / 19047789-025 Floor Tile-12 X 12	Brown Non-Fibrous Homogeneous		100% Other	None Detected
TM 11.1 / 19047789-026 Tile Mastic On FT 10	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
TM 11.2 / 19047789-027 Tile Mastic On FT 10	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
DF 12.1 / 19047789-028 Door Framing-Interior	White Non-Fibrous Homogeneous		100% Other	None Detected
DF 12.2 / 19047789-029 Door Framing-Interior	White Non-Fibrous Homogeneous		100% Other	None Detected
FM 13.1 / 19047789-030 Floor Mastic-Parquet Floor	Brown Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 9/20/2019

Date: 9/20/2019



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
FM 13.2 / 19047789-031 Floor Mastic-Parquet Floor	Brown Non-Fibrous Homogeneous		100% Other	None Detected
DF 14.1 / 19047789-032 Door Framing-Exterior-Wood/ Front Doors	White Non-Fibrous Homogeneous		100% Other	None Detected
DF 14.2 / 19047789-033 Door Framing-Exterior-Wood/ Front Doors	White Non-Fibrous Homogeneous		100% Other	None Detected
WF 15.1 / 19047789-034 Window Framing-Exterior	White Non-Fibrous Homogeneous		100% Other	None Detected
WF 15.2 / 19047789-035 Window Framing-Exterior	White Non-Fibrous Homogeneous		100% Other	None Detected
PG 16.1 / 19047789-036 Pipe Gasket-Cast Iron Downspouts	Grey Non-Fibrous Homogeneous		100% Other	< 1% Chrysotile
PG 16.2 / 19047789-037 Pipe Gasket-Cast Iron Downspouts	Grey Non-Fibrous Homogeneous		100% Other	< 1% Chrysotile
CK 17.1 / 19047789-038 Caulk On Window Sill Stone	White Non-Fibrous Homogeneous		100% Other	None Detected
CK 17.2 / 19047789-039 Caulk On Window Sill Stone	White Non-Fibrous Homogeneous		100% Other	None Detected
DF 18.1 / 19047789-040 Door Framing-Exterior-Metal Doors	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Susan P. Childress

Approved Signatory:

Johnathan Wilson

Analysis Date: 9/20/2019

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
DF 18.2 / 19047789-041 Door Framing-Exterior-Metal Doors	White Non-Fibrous Homogeneous		100% Other	None Detected
SC 19.1 / 19047789-042 Coating-Boiler Room Walls	Silver Non-Fibrous Homogeneous		100% Other	None Detected
SC 19.2 / 19047789-043 Coating-Boiler Room Walls	Silver Non-Fibrous Homogeneous		100% Other	None Detected
SC 20.1 / 19047789-044 Coating-Cast Iron Downspouts	Silver Non-Fibrous Homogeneous		100% Other	None Detected
SC 20.2 / 19047789-045 Coating-Cast Iron Downspouts	Silver Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 9/20/2019

Date: 9/20/2019

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075

New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



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Project Number: Partial (Front Only)
P.O. Number: Town Of Pulaski
Project Name: 1 Magnox Drive Pulaski VA
Collected Date: 9/17/2019
Received Date: 9/18/2019 9:35:00 AM

Dear Fred Danner,

We at SanAir would like to thank you for the work you recently submitted. The 45 sample(s) were received on Wednesday, September 18, 2019 via FedEx. The final report(s) is enclosed for the following sample(s): SC 1.1, SC 1.2, SC 1.3, BC 2.1, BC 2.2, BC 2.3, CT 3.1, CT 3.2, CT 3.3, SR 4.1, SR 4.2, SR 4.3, JC 5.1, JC 5.2, JC 5.3, EM 6.1, EM 6.2, EM 6.3, PI 7.1, FT 8.1, FT 8.2, TM 9.1, TM 9.2, FT 10.1, FT 10.2, TM 11.1, TM 11.2, DF 12.1, DF 12.2, FM 13.1, FM 13.2, DF 14.1, DF 14.2, WF 15.1, WF 15.2, PG 16.1, PG 16.2, CK 17.1, CK 17.2, DF 18.1, DF 18.2, SC 19.1, SC 19.2, SC 20.1, SC 20.2.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

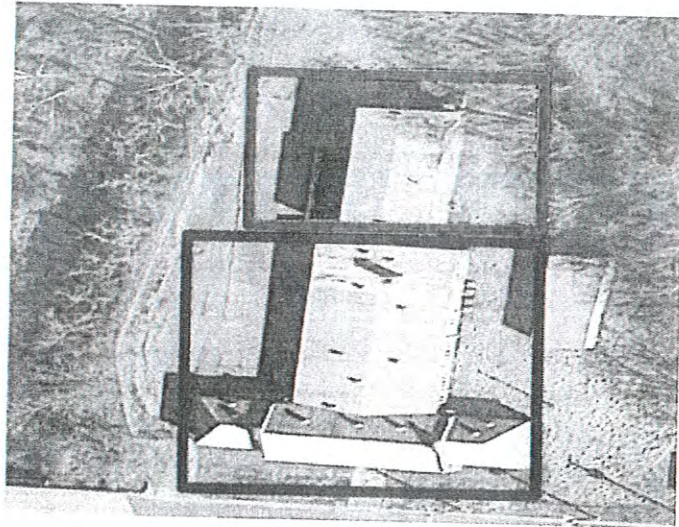
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 45 samples in Good condition.

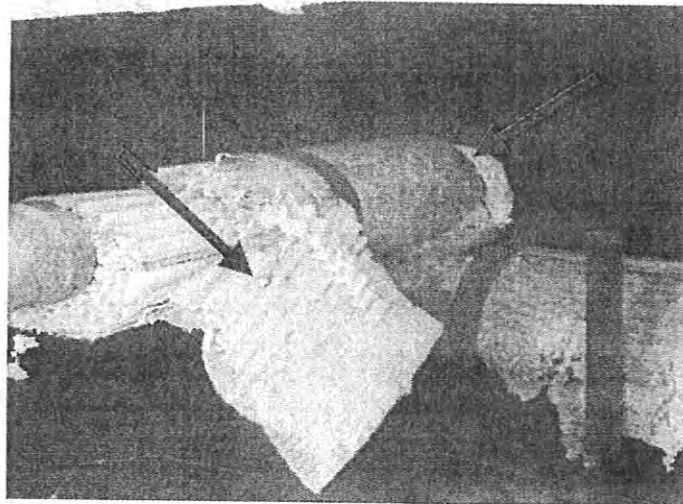
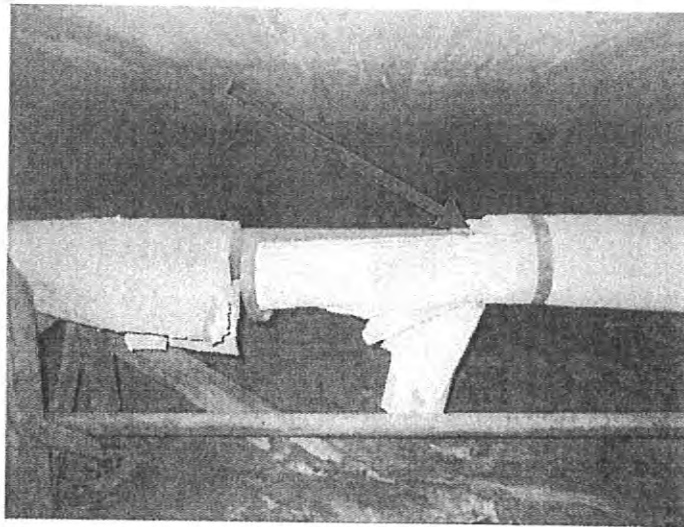
Photos

1 Magnox Drive



Only the section indicated by the green box above was surveyed.
This report does not include the portion of the building inside the
red box.

1 Magnox Drive



The Thermal System Insulation, located in the crawl space of the building, was found to be Asbestos Containing by the laboratory. This includes AirCell Pipe Insulation and Mudded Elbow Insulation.

THESE MATERIALS ARE FRIABLE

THESE MATERIALS ARE HIGH CONTENT ACMs.

THESE MATERIALS ARE DAMAGED AND MAY CONTAMINATE THE GROUND IN AREAS WHERE THEY ARE LOCATED.

1 Magnox Drive



For informational purposes, the gasket indicated above was reported to contain asbestos at $< 1\%$.

The material is a gasket between modern metal downspouts and cast iron downspouts.

Although not considered an Asbestos Containing Material ($> 1\%$), this information should be provided to all contract personnel prior to restoration/demolition activities for their use in meeting current OSHA requirements pertaining to personnel disturbing this material.

Applicable Licenses

EXPIRES ON
05-31-2020

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303004166

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



FREDERICK REED DANNER
400 WEST MAIN ST
CHRISTIANSBURG, VA 24073-0000



Status can be verified at <http://www.dpor.virginia.gov>

Mary Brock-Vaughan
Mary Brock-Vaughan, Acting Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)



Solutions for all your Environmental and OSHA Concerns

March 5, 2020

Asbestos & Lead Inspection Report


Project Location:

1 Magnox Drive
Pulaski, Virginia
(Lead – Entire Facility Asbestos – Rear of Facility)

Prepared For:

Town of Pulaski
P.O. Box 660
Pulaski, VA 24301

Prepared By:



Fred Danner
Asbestos Inspector / Interim Lead Inspector

TABLE OF CONTENTS

SCOPE OF WORK

ASBESTOS INSPECTION

- **SAMPLE SUMMARY**
- **LABORATORY REPORT**

LEAD INSPECTION

- **LEAD BASED PAINT TESTING RESULTS**

PHOTOS

APPLICABLE LICENSES

Scope of Work

HDH Technical, Inc. was contracted by The Town of Pulaski to provide an asbestos inspection and lead-based paint screening at 1 Magnox Drive, Pulaski, Virginia. The front portion of this structure was previously inspected for Asbestos. This report details the Lead Based Paint inspection for the entire structure, as well as the Asbestos Inspection for the rear portion of the structure. The inspection was conducted by personnel trained and licensed in accordance with the regulations of the Environmental Protection Agency (EPA) and the Commonwealth of Virginia. This inspection was performed using current EPA AHERA standards. This protocol was used for the determination, sampling and analysis of suspected Asbestos Containing Materials (ACM). Only those parts of the structure scheduled to undergo renovation, as directed by the client, were included in this inspection.

Also included in this report is a Lead-Based Paint Screening at this location. The term "screening" is used as opposed to "inspection" due to the fact that a complete HUD type paint inspection of each surface in every space was not performed. Generally speaking, each differing type of interior and exterior component and each differing type of paint was tested, although each component was not tested in each room. This "screening" will be referred to as an "inspection" throughout this report and was conducted in accordance with accepted industry standards and applicable regulations established by OSHA and the EPA. This inspection only identifies lead-based paint that is accessible through non-destructive methods. It does not identify lead-based paint materials located within walls, concrete decks, subfloors, or other generally inaccessible areas.

ASBESTOS INSPECTION

An inspection of 1 Magnox Drive was performed on March 3, 2020 by representatives of HDHT. The objective of this inspection was to determine the location of asbestos-containing building materials (ACBM) currently located on the interior of the rear portion of this structure that may be disturbed in conjunction with upcoming renovation activities at specified locations in this structure.

The inspection was conducted by personnel trained and licensed in accordance with the regulations of the Environmental Protection Agency (EPA) and the Commonwealth of Virginia. This inspection meets the protocol outlined in current EPA AHERA regulations. This protocol was used for the determination, sampling and analysis of suspect asbestos containing materials.

As the sample summary indicates, None of the suspect materials sampled in this portion of the structure were reported to be asbestos containing by the laboratory.

This information should be provided to all contract personnel for their use in meeting current OSHA requirements. Every attempt was made to gain access to all areas or to assess representative materials entering or leaving the area. HDH Technical, Inc. accepts no liability nor makes any claims regarding ACBM which was not accessible during the inspection process if such material was located behind or within walls, concrete decks, subfloors, or was generally inaccessible without destructive sampling. If any additional suspect materials are identified during the course of the project, the contractor is to immediately stop work and contact the Owner for further direction.

Asbestos Sample Summary

1 Magnox Drive (Rear)

LAB #	SAMPLE ID	SAMPLE DESCRIPTION	RESULT	%
20010555 -001	WG-21.1	Window Glazing	ND	-
20010555 -002	WG-21.2	Window Glazing	ND	-
20010555 -003	SP-22.1	Skim Coat Plaster	ND	-
20010555 -004	SP-22.2	Skim Coat Plaster	ND	-
20010555 -005	SP-22.3	Skim Coat Plaster	ND	-
20010555 -006	BP-23.1	Brown Coat Plaster	ND	-
20010555 -007	BP-23.2	Brown Coat Plaster	ND	-
20010555 -008	BP-23.3	Brown Coat Plaster	ND	-
20010555 -009	VD-24.1	Vibration Damper	ND	-
20010555 -010	VD-24.2	Vibration Damper	ND	-
20010555 -011	FT-25.1	Floor Tile - 12x12 White	ND	-
20010555 -012	FT-25.2	Floor Tile - 12x12 White	ND	-
20010555 -013	BM-26.1	Black Mastic - on 12x12	ND	-
20010555 -014	BM-26.2	Black Mastic - on 12x12	ND	-
20010555 -015	SR-27.1	Sheet Rock	ND	-
20010555 -016	SR-27.2	Sheet Rock	ND	-
20010555 -017	JC-28.1	Joint Compound	ND	-
20010555 -018	JC-28.2	Joint Compound	ND	-
20010555 -019	CT-29.1	Ceiling Tile	ND	-
20010555 -020	CT-29.2	Ceiling Tile	ND	-
20010555 -021	BM-30.1	Baseboard Mastic	ND	-
20010555 -022	BM-30.2	Baseboard Mastic	ND	-

ND = NONE DETECTED

NA = NOT ANALYZED
POSITIVE STOP



= CHRYSOTILE



= AMOSITE



= OTHER

Laboratory Report



1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-807-1177 / 888-895-1175
Fax 804-897-0070
www.sanair.com

**Asbestos
Chain of Custody**

SanAir ID Number

20010555

Company: HDH Technical, Inc		Project #:	Collected by: RM Jones
Address: 400 West Main Street		Project Name: 1 Magnox Dr. Pulaski, VA	Phone #: 540-381-7999
City, St, Zip: Christiansburg, VA 24073		Date Collected: 3/3/2020	Email: rtiebal@hdhassociates.com
State of Collection: VA Account #: 1769		P.O. Number:	Email: fdanner@hdhassociates.com

Bulk		Air		Soil/Vermiculite	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				

Water		New York ELAP		Dust	
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input checked="" type="checkbox"/>
	2 Days <input type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input type="checkbox"/>

Special Instructions:	
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SAMPLE ID	SAMPLE DESCRIPTION
WG-21.1	Window Glazing
WG-21.2	Window Glazing
SP-22.1	Skim Coat Plaster
SP-22.2	Skim Coat Plaster
SP-22.3	Skim Coat Plaster
BP-23.1	Brown Coat Plaster
BP-23.2	Brown Coat Plaster
BP-23.3	Brown Coat Plaster
VD-24.1	Vibration Damper
VD-24.2	Vibration Damper
FT-25.1	Floor Tile - 12x12 White

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
RM Jones	3/3/2020		FedEx	3/3/2020	12:00 AM
			<i>U</i>	MAR 04 2020	<i>0:00 PM</i>

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

20010555

[illegible]

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
RM Jones	3/3/2020	12:00 AM	FedEx	3/3/2020	12:00 AM
			<i>[Signature]</i>	MAR 04 2020	12:00 PM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.



SanAir ID Number
20010555
FINAL REPORT
3/5/2020 10:11:00 AM

Name: HDH Technical, Inc.
Address: P.O. Box 6158
Christiansburg, VA 24073
Phone: 540-381-7999

Project Number:
P.O. Number:
Project Name: 1 Magnox Dr. Pulaski, VA
Collected Date: 3/3/2020
Received Date: 3/4/2020 9:20:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
WG-21.1 / 20010555-001 Window Glazing	Tan Non-Fibrous Homogeneous		100% Other	None Detected
WG-21.2 / 20010555-002 Window Glazing, Glazing	Tan Non-Fibrous Homogeneous		100% Other	None Detected
WG-21.2 / 20010555-002 Window Glazing, Glazing	Pink Non-Fibrous Homogeneous		100% Other	None Detected
SP-22.1 / 20010555-003 Skim Coat Plaster	White Non-Fibrous Heterogeneous		100% Other	None Detected
SP-22.2 / 20010555-004 Skim Coat Plaster	White Non-Fibrous Heterogeneous		100% Other	None Detected
SP-22.3 / 20010555-005 Skim Coat Plaster	White Non-Fibrous Heterogeneous		100% Other	None Detected
BP-23.1 / 20010555-006 Coat Plaster	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
BP-23.2 / 20010555-007 Coat Plaster	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
BP-23.3 / 20010555-008 Coat Plaster	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
VD-24.1 / 20010555-009 Vibration Dampener	Black Non-Fibrous Homogeneous	20% Synthetic	80% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date: 3/5/2020

Date: 3/5/2020



SanAir ID Number
20010555
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Project Name: 1 Magnox Dr. Pulaski, VA
Collected Date: 3/3/2020
Received Date: 3/4/2020 9:20:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
VD-24.2 / 20010555-010 Vibration Dampener	Black Non-Fibrous Homogeneous	20% Synthetic	80% Other	None Detected
FT-25.1 / 20010555-011 Floor Tile-12x12	White Non-Fibrous Homogeneous		100% Other	None Detected
FT-25.2 / 20010555-012 Floor Tile-12x12	White Non-Fibrous Homogeneous		100% Other	None Detected
BM-26.1 / 20010555-013 Mastic-On 12x12	Black Non-Fibrous Homogeneous		100% Other	None Detected
BM-26.2 / 20010555-014 Mastic-On 12x12	Black Non-Fibrous Homogeneous		100% Other	None Detected
SR-27.1 / 20010555-015 Sheetrock	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
SR-27.2 / 20010555-016 Sheetrock	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
JC-28.1 / 20010555-017 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
JC-28.2 / 20010555-018 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
CT-29.1 / 20010555-019 Ceiling Tile	White Fibrous Homogeneous	60% Cellulose 15% Glass	25% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date: 3/5/2020

Date: 3/5/2020



SanAir ID Number
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3/5/2020 10:11:00 AM

Name: HDH Technical, Inc.
Address: P.O. Box 6158
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Project Number:
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Project Name: 1 Magnox Dr. Pulaski, VA
Collected Date: 3/3/2020
Received Date: 3/4/2020 9:20:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
CT-29.2 / 20010555-020 Ceiling Tile	White Fibrous Homogeneous	60% Cellulose 15% Glass	25% Other	None Detected
BM-30.1 / 20010555-021 Baseboard Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
BM-30.2 / 20010555-022 Baseboard Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date: 3/5/2020

Date: 3/5/2020

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075

New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



SanAir ID Number

20010555

FINAL REPORT

3/5/2020 10:11:00 AM

Name: HDH Technical, Inc.

Address: P.O. Box 6158

Christiansburg, VA 24073

Phone: 540-381-7999

Project Number:

P.O. Number:

Project Name: 1 Magnox Dr. Pulaski, VA

Collected Date: 3/3/2020

Received Date: 3/4/2020 9:20:00 AM

Dear Robin Liebal,

We at SanAir would like to thank you for the work you recently submitted. The 22 sample(s) were received on Wednesday, March 04, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): WG-21.1, WG-21.2, SP-22.1, SP-22.2, SP-22.3, BP-23.1, BP-23.2, BP-23.3, VD-24.1, VD-24.2, FT-25.1, FT-25.2, BM-26.1, BM-26.2, SR-27.1, SR-27.2, JC-28.1, JC-28.2, CT-29.1, CT-29.2, BM-30.1, BM-30.2.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 22 samples in Good condition.

LEAD INSPECTION

On March 3, 2020 a Lead-Based Paint inspection was also conducted at 1 Magnox Drive. The inspection was conducted to identify potential lead-based paint concerns involved in this renovation project. The areas were inspected by Fred Danner. The side of the structure with the main entrance is referred to as side "A". Sides "B", "C" and "D" follow clockwise around the structure.

The inspection determined that the following surfaces tested contain lead greater than or equal to 1.0 mg/cm, and are considered to be lead-based paint surfaces as defined by the Virginia Department of Professional and Occupational Regulation (DPOR) and the Environmental Protection Agency (EPA):

- **Inner Door Alcove Wall – Front Door**
- **Door Casing – Front Door**
- **Wooden Soffit Components**
- **Wooden Fascia Components**
- **Original Metal Framed Windows**
- **Coating on Copper Roof Panels**

If lead is present, regardless of quantity, OSHA regulations are applicable. All persons involved in the disturbance of lead based or lead containing painted surfaces should be adequately trained to do so. All contractors should be provided with the results for their use in meeting current OSHA requirements for the protection of their workers and the environment.

This inspection was in compliance with the Virginia Lead-based Paint Activities Regulations, October 1, 1995. The Inspector is properly trained, licensed, and met the competency requirements spelled out in those regulations.

FIELD VERIFICATION

Fred Danner, interim licensed lead-based paint inspector, under the direction of Robin H. Liebal, inspected the structure on March 3, 2020.

A total of Sixty-Seven (67) X-Ray Florescence (XRF) readings, including calibrations, were taken in substantial conformance with industry standards and other applicable federal and state regulations.

Robin H. Liebal's Virginia Lead Risk Assessor license number is 3356000422.

A complete copy of all tested surfaces and results are included in this report. All positive samples are listed in BOLD.

HDH Technical, Inc. (HDHT) used the Heuresis Corporation model Pb200i (Serial#1609) X-Ray Fluorescence (XRF) instrument for the screening. This unit was sourced in July, 2017

operated in the K&L test mode using the rules and procedures found in the Performance Characteristic Sheet for the Heuresis Corporation model Pb200i. The instrument is not substrate dependant according to that performance characteristic sheet, so no substrate corrections were required during this screening.

The XRF was calibrated prior to use and at the end of the testing, or every four hours, whichever came first. All calibrations were conducted on a 1.10 ± 0.1 mg/cm² NIST SRM paint film. All calibrations are noted on the x-ray fluorescence data sheets.

For the purposes of this inspection lead-based paint is defined as greater than or equal to 1.0 mg/cm². The Heuresis Corporation instrument (model Pb200i) used in this survey have published threshold values of 1.0 mg/cm² on all substrates and do not require substrate correction. Paint chip confirmation of inconclusive samples was not necessary since no inconclusive surfaces were identified during sampling with this X-ray Fluorescence Analyzer. Lastly, this report detailing the findings of the inspection report was written to document the inspection and provide a permanent record of the evaluation.

Qualifications

The inspection was conducted by Fred Danner, interim lead inspector, under the direction of Robin H. Liebal, Licensed Lead Risk Assessor #3356000422. The inspection was conducted in accordance with applicable Local, State, and Federal regulations.

Methodologies

This inspection was conducted in accordance with accepted industry standards and applicable regulations established by OSHA and the EPA. This inspection only identifies lead-based paint that is accessible through non-destructive methods. It does not identify lead-based paint materials located within walls, concrete decks, subfloors, or other generally inaccessible areas.

Disclaimer

This inspection report is written for and intended for the use of the Owner and its representatives only. HDHT is not responsible nor will be held liable for any interpretation made, opinions formed, or conclusions drawn by any third party as a result of examining the lab results, inspection results or this report. Any interpretations, opinions, and conclusions will be those made, formed, and drawn solely by that third party.

A lead inspector/risk assessor properly trained by a training institution utilizing an approved HUD curriculum and subsequently licensed to perform inspections by the Commonwealth of Virginia performed the inspection of this structure. HDHT accepts no liability nor makes any claims regarding lead based painted surfaces which were not tested and lead -based painted surfaces which were not accessible during the inspection process if such material was located behind or within walls, concrete decks, sub-floors, chases, or was otherwise generally inaccessible without destructive sampling.

Lead Based Paint Testing Results



400 West Main Street
Christiansburg, Virginia 24073
Telephone: (540) 381-7999

Lead Testing for Construction

1 Magnox Drive
Pulaski, Virginia

Town of Pulaski
P.O. Box 660
Pulaski, Virginia 24301

READING	CONCENTRATION	UNITS	RESULTS	DATE	TIME	USER	SITE	ROOM CHOICE	STRUCTURE	MEMBER	SUBSTRATE	WALL	CONDITION
1	0	mg/cm2	Negative	3/3/2020	10:16:47	HDHT	1 Magnox Dr	Calibration					
2	1.1	mg/cm2	Positive	3/3/2020	10:16:53	HDHT	1 Magnox Dr	Calibration					
3	3.4	mg/cm2	Positive	3/3/2020	10:21:39	HDHT	1 Magnox Dr	Calibration	Door	Casing	Wood	A	
4	4.1	mg/cm2	Positive	3/3/2020	10:21:50	HDHT	1 Magnox Dr	Calibration	Door	Casing	Wood	A	
5	-0.1	mg/cm2	Negative	3/3/2020	10:22:36	HDHT	1 Magnox Dr	Calibration	Window	Casing	Wood	A	
6	0.3	mg/cm2	Negative	3/3/2020	10:22:42	HDHT	1 Magnox Dr	Calibration	Window	Casing	Wood	A	
7	-0.2	mg/cm2	Negative	3/3/2020	10:24:30	HDHT	1 Magnox Dr	Calibration	Window	Casing	Wood	A	
8	-0.1	mg/cm2	Negative	3/3/2020	10:25:29	HDHT	1 Magnox Dr	Calibration	Downspout		Metal	A	
9	0.2	mg/cm2	Negative	3/3/2020	10:25:58	HDHT	1 Magnox Dr	Calibration	Downspout		Metal	A	
10	0.4	mg/cm2	Negative	3/3/2020	10:26:07	HDHT	1 Magnox Dr	Calibration	Downspout		Metal	A	
11	0.1	mg/cm2	Negative	3/3/2020	10:27:23	HDHT	1 Magnox Dr	Calibration	Downspout		Metal	A	
12	-0.2	mg/cm2	Negative	3/3/2020	10:27:37	HDHT	1 Magnox Dr	Calibration	Downspout		Metal	A	
13	0.3	mg/cm2	Negative	3/3/2020	10:28:13	HDHT	1 Magnox Dr	House	Downspout		Metal	A	
14	0.4	mg/cm2	Negative	3/3/2020	10:28:40	HDHT	1 Magnox Dr	House	Downspout		Metal	A	
15	0	mg/cm2	Negative	3/3/2020	10:28:55	HDHT	1 Magnox Dr	House	Door	Casing	Metal	C	
16	4.8	mg/cm2	Positive	3/3/2020	10:29:30	HDHT	1 Magnox Dr	Porch	Door	---	Metal	C	
17	3.2	mg/cm2	Positive	3/3/2020	10:30:10	HDHT	1 Magnox Dr	Porch	Fascia		Metal	C	
18	0.1	mg/cm2	Negative	3/3/2020	10:30:38	HDHT	1 Magnox Dr	Porch	Soffit		Wood	C	
19	-0.1	mg/cm2	Negative	3/3/2020	10:33:01	HDHT	1 Magnox Dr	House	Railing		Metal	C	
20	0	mg/cm2	Negative	3/3/2020	10:33:19	HDHT	1 Magnox Dr	House	Door		Metal	A	
21	0.3	mg/cm2	Negative	3/3/2020	10:33:36	HDHT	1 Magnox Dr	House	Door	Casing	Wood	A	
22	-0.2	mg/cm2	Negative	3/3/2020	10:34:52	HDHT	1 Magnox Dr	House	Door	Casing	Metal	A	
23	-0.1	mg/cm2	Negative	3/3/2020	10:35:00	HDHT	1 Magnox Dr	House	Window	Casing	Wood	D	
24	0.1	mg/cm2	Negative	3/3/2020	10:35:17	HDHT	1 Magnox Dr	House	Window	Casing	Wood	D	
25	0.1	mg/cm2	Negative	3/3/2020	10:35:27	HDHT	1 Magnox Dr	House	Window	Frame	Wood	D	
26	0.1	mg/cm2	Negative	3/3/2020	10:36:16	HDHT	1 Magnox Dr	Back Porch	Door	Frame	Wood	D	
27	0.2	mg/cm2	Negative	3/3/2020	10:36:26	HDHT	1 Magnox Dr	Back Porch	Door	Frame	Wood	D	
28	0	mg/cm2	Negative	3/3/2020	10:36:46	HDHT	1 Magnox Dr	Back Porch	Door	---	Metal	D	
29	2.6	mg/cm2	Positive	3/3/2020	10:37:28	HDHT	1 Magnox Dr	House	Window	Frame	Metal	D	
30	3.1	mg/cm2	Positive	3/3/2020	10:38:06	HDHT	1 Magnox Dr	House	Window	Frame	Metal	D	
31	0	mg/cm2	Negative	3/3/2020	10:38:30	HDHT	1 Magnox Dr	House	Door	Casing	Wood	D	
32	-0.1	mg/cm2	Negative	3/3/2020	10:38:51	HDHT	1 Magnox Dr	House	Door	---	Metal	D	
33	0	mg/cm2	Negative	3/3/2020	10:39:47	HDHT	1 Magnox Dr	Garage (Exterior)	Door	Casing	Metal	A	
34	0	mg/cm2	Negative	3/3/2020	10:39:54	HDHT	1 Magnox Dr	Garage (Exterior)	Door	Casing	Metal	A	
35	3.4	mg/cm2	Positive	3/3/2020	10:40:49	HDHT	1 Magnox Dr	Back Porch	Soffit		Metal	A	
36	10.6	mg/cm2	Positive	3/3/2020	10:41:43	HDHT	1 Magnox Dr	Back Porch	Room	Ceiling	Metal	A	
37	-0.1	mg/cm2	Negative	3/3/2020	10:42:38	HDHT	1 Magnox Dr	House	Window	Casing	Wood	A	
38	-0.1	mg/cm2	Negative	3/3/2020	10:42:53	HDHT	1 Magnox Dr	House	Window	Sill	Wood	A	
39	0.1	mg/cm2	Negative	3/3/2020	10:45:10	HDHT	1 Magnox Dr	House	Railing		Metal	A	



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Lead Testing for Construction

1 Magnox Drive
Pulaski, Virginia
Town of Pulaski
P.O. Box 660
Pulaski, Virginia 24301

READING	CONCENTRATION	UNITS	RESULTS	DATE	TIME	USER	SITE	ROOM CHOICE	STRUCTURE	MEMBER	SUBSTRATE	WALL	CONDITION
40	11.8	mg/cm2	Positive	3/3/2020	10:56:01	HDHT	1 Magnox Dr	House	Room	Ceiling	Metal	A	
41	0	mg/cm2	Negative	3/3/2020	10:58:23	HDHT	1 Magnox Dr	Calibration	Room		Plaster	D	
42	0.3	mg/cm2	Negative	3/3/2020	10:58:47	HDHT	1 Magnox Dr	Calibration	Room		Plaster	B	
43	0.1	mg/cm2	Negative	3/3/2020	10:59:55	HDHT	1 Magnox Dr	Calibration	Window	Sill	Wood	B	
44	1.5	mg/cm2	Positive	3/3/2020	11:02:24	HDHT	1 Magnox Dr	Calibration	Window	Frame	Metal	B	
45	-0.1	mg/cm2	Negative	3/3/2020	11:04:08	HDHT	1 Magnox Dr	Calibration	Room	Ceiling	Plaster	B	
46	0.1	mg/cm2	Negative	3/3/2020	11:05:07	HDHT	1 Magnox Dr	Calibration	Room	Floor	Wood	B	
47	0.1	mg/cm2	Negative	3/3/2020	11:10:51	HDHT	1 Magnox Dr	Calibration	Room	Wall	Drywall	B	
48	0.1	mg/cm2	Negative	3/3/2020	11:12:12	HDHT	1 Magnox Dr	Calibration	Beam		Metal	B	
49	0	mg/cm2	Negative	3/3/2020	11:12:55	HDHT	1 Magnox Dr	Calibration	Beam		Metal	B	
50	0	mg/cm2	Negative	3/3/2020	11:14:55	HDHT	1 Magnox Dr	Calibration	Door	---	Wood	B	
51	0	mg/cm2	Negative	3/3/2020	11:15:05	HDHT	1 Magnox Dr	Calibration	Door	---	Wood	B	
52	0	mg/cm2	Negative	3/3/2020	11:15:19	HDHT	1 Magnox Dr	Calibration	Door	---	Wood	B	
53	-0.1	mg/cm2	Negative	3/3/2020	11:18:51	HDHT	1 Magnox Dr	Calibration	Door	---	Wood	B	
54	0.5	mg/cm2	Negative	3/3/2020	11:19:14	HDHT	1 Magnox Dr	Bathroom 1	Bathroom 1	---	Metal	B	
55	0	mg/cm2	Negative	3/3/2020	11:19:44	HDHT	1 Magnox Dr	Bathroom 1	Bathroom 1	Frame	Metal	B	
56	0	mg/cm2	Negative	3/3/2020	11:20:19	HDHT	1 Magnox Dr	Bathroom 1	Bathroom 1	Wall	Plaster	B	
57	-0.1	mg/cm2	Negative	3/3/2020	11:21:15	HDHT	1 Magnox Dr	Room 1	Room 1	Wall	Plaster	B	
58	0.2	mg/cm2	Negative	3/3/2020	11:21:21	HDHT	1 Magnox Dr	Room 1	Room 1	Wall	Plaster	B	
59	0.6	mg/cm2	Negative	3/3/2020	11:22:12	HDHT	1 Magnox Dr	Room 2	Room 2	Wall	Plaster	B	
60	0	mg/cm2	Negative	3/3/2020	11:22:27	HDHT	1 Magnox Dr	Room 2	Room 2	Casing	Metal	B	
61	0.6	mg/cm2	Negative	3/3/2020	11:23:16	HDHT	1 Magnox Dr	Room 2	Room 2	---	Metal	B	
62	0	mg/cm2	Negative	3/3/2020	11:23:30	HDHT	1 Magnox Dr	Room 2	Room 2	---	Metal	B	
63	0.6	mg/cm2	Negative	3/3/2020	11:23:10	HDHT	1 Magnox Dr	Room 2	Room 2	---	Metal	B	
64	0.1	mg/cm2	Negative	3/3/2020	11:24:10	HDHT	1 Magnox Dr	Room 2	Room 2	---	Metal	B	
65	0.4	mg/cm2	Negative	3/3/2020	11:24:46	HDHT	1 Magnox Dr	Room 3	Room 3	Wall	Drywall	D	
66	1.1	mg/cm2	Positive	3/3/2020	11:33:19	HDHT	1 Magnox Dr	Calibration	Calibration	Casing	Drywall	D	
67	0.1	mg/cm2	Negative	3/3/2020	11:33:32	HDHT	1 Magnox Dr	Calibration	Calibration				

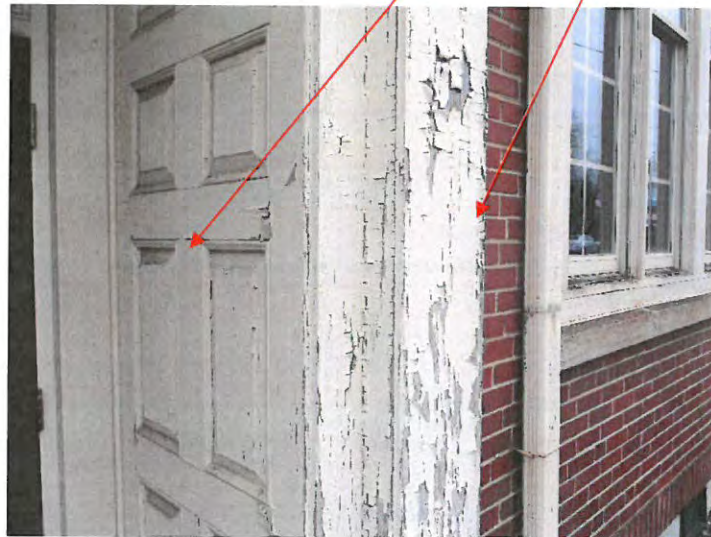
Photos

1 Magnox Drive



The Coating on the copper roof panels was found to utilize Lead-Based Paint.

1 Magnox Drive



The Inner Wall and the Front Casing of the Front Entrance Alcove was found to utilize Lead-Based Paint

1 Magnox Drive



The Wooden Soffit and Fascia Components were found to utilize Lead-Based Paint



The metal-framed windows were found to utilize Lead-Based Paint

Applicable Licenses

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2020

NUMBER
3303004166

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



FREDERICK REED DANNER
400 WEST MAIN ST
CHRISTIANSBURG, VA 24073-0000




Mary Brock-Vaughan, Acting Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

Blacksburg Environmental Solutions & Training, Inc.

400 West Main Street • Christiansburg, Virginia 24073

Telephone: 540.381.7999 • Fax: 540.381.7990

Certificate of Attendance and Successful Completion
of the approved course entitled

24-Hour Lead Inspector—Initial

FREDERICK R. DANNER

230-11-3635

P.O. BOX 6158 • CHRISTIANSBURG, VA 24068

CERTIFICATE NUMBER: LI-18-0196

Course Date: August 27—29, 2018

Examination Date: August 29, 2018

Expiration Date: August 29, 2021

Michael S. Lofgren
Training Manager / Principle Instructor

8/29/18

Date



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

11-30-2020

NUMBER

3356000422

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
LEAD RISK ASSESSOR LICENSE



ROBIN H LIEBAL
4659 HEAVENER RD.
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Mary Brock-Vaughan
Mary Brock-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)